

**DRAFT Minutes**  
**Franks Tract, Delta Cross Channel, and Through Delta Facility**  
**(FTDCCTDF) Project Team July 21, 2005 meeting, 1:30-4:00,**  
**650 Capitol Mall, Sacramento, CBDA Delta Room**

**Attendees**

Bruce Herbold .....	EPA
Don Kurosaka, Dan Fua.....	DWR
David Martasian, Robert DuVall.....	DWR
Bob Fujimura.....	DFG
Sharon McHale, Erika Kegel.....	USBR
Pat Brandes.....	USFWS
Lynda Smith .....	MWDSC
Joe Miyamoto.....	EBMUD
Leah Orloff.....	CCWD
Dan Odenweller.....	DeltaKeeper
Ron Ott, Lisa Holm, Sam Harader .....	CBDA
Rhonda Reed, Lauren Hastings.....	CBDA

**Agenda:**

1. Summary of Last meeting – Ron Ott
2. Flooded Islands Feasibility – Dan Fua
3. Status of Franks Tract, DCC, TDF - Don Kurosaka
4. Drinking Water Quality – Lisa Holm/Lynda Smith
  - Fingerprinting- Robert DuVall
  - Seasonality – Leah Orloff
5. Action Items and Next Meeting – Ron Ott

**1. Action items from last meeting – Ron Ott (CBDA)**

- A website has been developed for the team on the CBDA site under the Conveyance Program. Meeting minutes, handouts, PowerPoint presentations, and relevant FTDCCTDF documents are posted as they are developed.  
<http://calwater.ca.gov/Programs/Conveyance/FTDDCCTDF/DCCTDF.shtm>
- At the last meeting (June 2005) the Team was not supportive of continuing on the Yolo Toe drain Study. DWR said that they will stop all research work on this project and work on removing the barrier. Ron Ott will make this recommendation to the IEP coordinators. (Ron made the recommendation to the IEP coordinators at their August 4, 2005 meeting and they agreed with the recommendation.)
- As a result of the last meetings discussion on the sturgeon passage work being done at the UC Davis Hydraulics laboratory for the TDF, the team

recommended that Roger work with UC Davis to complete the report on efforts to date. The report will be reviewed by the FTDCCTDF team before the team can make recommendations on future work. (Ron also discussed with the IEP coordinators and they agreed that no new work for sturgeon passage for the TDF should be conducted until this work is reviewed and a science based proposal is written and approved.)

## **2. Flooded Islands Pre-Feasibility – Dan Fua (DWR)**

Dan gave a report on the “Flooded Islands Pre-Feasibility Study” with an emphasis on Franks Track. He discussed the full-project alternatives evaluated and the key issues addressed in the study. Modeling results describing the water quality improvements, stage, velocity and residence time changes, as well as costs, ecosystem enhancement, and recreational opportunities were discussed for each alternative. Pilot project alternatives configured from the full-project alternatives were also discussed. The next steps for the study are:

- Refine and optimize the full and pilot project alternatives.
- Select a preferred pilot project alternative
- Conduct a comprehensive fishery investigation
- Prepare environmental documentation
- Construct and monitor the pilot project

### *Discussion*

- SWP/CVP project operators say the Egeria grows in Franks Tract and shows up at the pumps. Egeria is a major issue to marinas in Franks Tract also.
- Fisheries are an important issue and the future Team meetings will address the study proposals for the fisheries investigations.
- Will the pilot project verify the model or validate the results of the project? If it is just to verify the models, there are a lot less expensive ways to accomplish verification. The Pilot Project is also designed to provide immediate incremental benefit.
- How many seasons will it take to validate the results of the pilot project? At least one year, probability more depending on the hydrology.
- Did the studies look at the effect of alternatives on other levees and what was the indicator? Yes, using the change in water velocity and stage as indicators.
- In the RMA model how many cells were used in Old River? See model schematic.
- We discussed really two basic alternatives; did you look at ways of solving the problem using other methods such as the PC? We didn't look at the PC, its well beyond our scope. We will be looking at combination of the DCC, TDF and Franks Tract alternatives.
- Need to make sure of fisheries benefits or impacts given the pelagic fish situation.
- Need to be able to determine how often (what frequency) water quality will be at certain levels and locations.
- The public meeting at Bethel Island emphasized the need for a thorough look at the impacts on boat traffic and routes.

### **3. Status of Franks Tract, DCC, TDF - Don Kurosaka (DWR)**

Don gave a presentation of the linkage and studies between Delta Cross Channel, Through Delta Facility, and Franks Tract. He discussed regional field studies that will evaluate each project in various combinations. Regional studies include water quality monitoring, RMA modeling, and fisheries investigations. Budgeting, funding, and schedule were discussed for reach project.

- **Franks Tract Project**
  - Flooded Island FS/Recon. Studies, January 2006
  - Final Feasibility/EIR/EIS, October 2007
- **Delta Cross Channel Reoperation**
  - Recommendation Report, July 2008
- **Through-Delta Facility**
  - Recommendation Report, November 2008

#### *Discussion*

- There appears to be many fish tracking studies going on in the Delta about the same time, is anyone coordinating these efforts? Same tags, listing stations etc.? Not really, only when principle investigators hear of plans in other meetings such as this. Many of the fish surveys have different objectives and therefore require different equipment.

### **4a. Potential Application of Real-Time Monitoring, Fingerprinting and Forecasting to the Flooded Islands Study – Robert Duvall (DWR)**

Robert from DWR gave a presentation of fingerprinting (the identification of the percentage water from different sources that contribute to a location in the Delta). Sources include Sacramento River, San Joaquin River, Martinez, Eastside streams, agriculture drainage, and Yolo Bypass. He discussed the potential of determining the flooded islands alternatives potential to reduce the salinity at the export locations and the monitoring, tools, and forecast processes needed. He also discussed what you get from fingerprinting that you don't get from other models.

### **4b. Evaluating Drinking Water Quality Benefits - Lisa Holm (CBDA), Lynda Smith (MWDSC), Leah Orloff (CCWD)**

Lisa discussed the drinking water quality issues and goals. She also described the Equivalent Level of Public Health Protection (ELPH) approach to water protection and the seasonality of concentrations of constituents of concern and how they affect the water treatment process.

Leah addressed the issue on how should we evaluate and compare drinking water benefits of proposed projects. Her major theme was that no single metric captures the benefits or effects to all agencies. However, there are common results presentations that allow project comparisons. Modeling results presented as long-term monthly averages and daily series plots are helpful in capturing the seasonality of the constituent. Constituents and locations were suggested. Many of the agencies would also need the raw modeling results for their review. The potential beneficiaries usually do their own in-house evaluations of the modeled alternatives using the raw model output data.

#### *Discussion*

- We don't have water quality performance measures, so we can't evaluate the alternatives to see how close each brings us to meeting the different agencies drinking water quality needs. So how do we compare the effectiveness of DCC, TDF and Franks Tract? Is comparing the forecasted salinity changes at the intakes enough?
- To realistically answer the comparison we need to factor in cost. So we can compare alternatives on what improvement at what cost.
- Maybe need to model constituents other than chlorides. Does model only simulate conservative constituents? Yes
- Can we look at San Luis Reservoir operations in the modeling?
- Can the water quality from the USBR's San Joaquin drain be input into the modeling effort to see how it affects alternatives?
- Can we improve water quality every 5<sup>th</sup> year of a drought or every year?
- Are we going to study the alternatives with and without storage?
- Allot of metrics need to be developed before we can link alternatives together to analyze the Delta conveyance approach.

**Action Items: -Lisa's team will work on developing performance Measures to help guide this effort. Measures should include the cost of treatment to get to a goal.**

#### **5. Next Meeting**

At the next meeting the team would like to have presentations on the status of:  
Jon Burau – Monitoring and Modeling scenarios on the DCC/TDF/Franks Track  
Dave Vogel – Regional fish tracking investigation

#### **Action Item:**

***-The next meeting date will Thursday, September 15th from 1:30 – 4:30, CBDA Delta Room. See the website for future meeting dates.***